Mission Critical Alloys
For Defense and Commercial Industries

Fall 2022
CAUTIONS REGARDING FORWARD-LOOKING STATEMENTS

This Presentation contains “forward-looking statements” and “forward-looking information” within the meaning of applicable Canadian securities laws, which are referred to collectively as “forward-looking information”. Forward-looking information includes statements and information regarding possible events, conditions or results of operations that are based upon assumptions about future economic conditions and courses of action. All statements and information other than statements of historical fact may be forward-looking information. In some cases, forward-looking information can be identified by the use of words such as “seek”, “expect”, “anticipate”, “budget”, “plan”, “estimate”, “continue”, “forecast”, “intend”, “believe”, “predict”, “potential”, “target”, “may”, “could”, “would”, “might”, “will” and similar words or phrases (including negative variations) suggesting future outcomes or statements regarding an outlook.

Forward-looking information in, or incorporated by reference into, this Presentation includes, but is not limited to statements and information regarding: statements with respect to the Company’s estimated working capital; the Company’s liquidity and capital resources; profit and loss forecasts, expectations regarding industry trends, overall market growth rates and our growth rates and growth strategies; general economic conditions; development of products, future oriented costs, expenditures and other financial or operating performances. Such forward-looking information is based on a number of material factors and assumptions, including, but not limited to: management’s current expectations, estimates and assumptions about certain projects and the markets in which the Company operates, the global economic environment, interest rates, exchange rates, and the Company’s business strategy, plans, outlook, long-term growth in cash flow, earnings per share and shareholder value, projections, targets and expectations employees and operating costs.

Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements, or industry results, to differ materially from those anticipated in such forward-looking information. The Company believes the expectations reflected in such forward-looking information are reasonable, but no assurance can be given that these expectations will prove to be correct and you are cautioned not to place undue reliance on forward-looking information contained herein. Some of the risks and other factors which could cause actual results to differ materially from those expressed in the forward-looking information contained in this Presentation and documents incorporated by reference herein include, but are not limited to: risks associated with the Company’s manufacturing operations; failure to meet product specifications; risks relating to the Company's dependence on single-source suppliers for beryllium and other materials; changes in market conditions; risks related to commodity price fluctuations; failure to obtain required financing; risks related to competition from other manufacturing and distribution companies of special alloys, metals and materials; adverse changes to general economic conditions or applicable laws, rules and regulations; environmental regulation and liability; and other factors contained in the section entitled “Risk Factors” in the preliminary prospectus, final prospectus and any amendments, and in the section entitled “Risk Factors” in the Company’s annual information form for the quarter ended March 31, 2022. Although the Company has attempted to identify important factors that could cause actual results or events to differ materially from those described in the forward-looking information, you are cautioned that this list is not exhaustive and there may be other factors that the Company has not identified. Furthermore, the Company undertakes no obligation to update or revise any forward-looking information included in this Presentation or the documents incorporated by reference herein if these beliefs, estimates and opinions or other circumstances should change, except as otherwise required by applicable law.
IBC manufactures copper and beryllium-aluminum alloys for customers in the commercial and defense sectors, including semiconductors, aerospace, automotive, marine defense, electronics, industrial equipment, and oil and gas.

Headquartered in Franklin, Ind., we operate plants in Indiana and Massachusetts that cast, forge, heat-treat, and fabricate alloys such as copper-beryllium, copper chrome silicon nickel, beryllium-aluminum, and copper-based master alloys.

We also provide customers a full range of tolling and engineering consulting services.
Learn about IBC in this short video: https://youtu.be/7ySg9YLVrko
# IBC: By The Numbers

| Who We Are | We are a leading supplier of high-performance beryllium-aluminum cast components, specialty copper, and other alloys for global markets. |
| Inception | 2007 |

<table>
<thead>
<tr>
<th>Markets We Serve</th>
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<tbody>
<tr>
<td>• Defense</td>
<td>• Electronics</td>
</tr>
<tr>
<td>• Aerospace</td>
<td>• Resistance Welding</td>
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<tr>
<td>• Semiconductor Device Manufacture</td>
<td>• Metal Casting</td>
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<tr>
<td>• Automotive</td>
<td>• Manufacturing</td>
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<tr>
<td>• Oil &amp; Gas</td>
<td>• Specialized Materials</td>
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<tr>
<td>• Plastic Injection Molding</td>
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</tbody>
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| Employees | 80 |
| Headquarters | Franklin, Indiana, USA |
| Locations | Franklin, IN  |
|  | Wilmington, MA |

## Stock Information (as of October 27, 2022)

<table>
<thead>
<tr>
<th></th>
<th>TSX-V:IB</th>
<th>OTCQB:IAALF</th>
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<tbody>
<tr>
<td>Share Price</td>
<td>C$0.20</td>
<td>US$0.15</td>
</tr>
<tr>
<td>90-Day Avg. Daily Volume</td>
<td>28,000</td>
<td>212,501</td>
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<tr>
<td>52-Week Low/High</td>
<td>C$0.13 - $0.31</td>
<td>US$0.12 - $0.24</td>
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## Share Structure (as of June 30, 2022)

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<table>
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<tbody>
<tr>
<td>Outstanding Shares</td>
<td>80,011,484</td>
</tr>
<tr>
<td>Warrants</td>
<td>33,951,181</td>
</tr>
<tr>
<td>Options</td>
<td>6,668,250</td>
</tr>
<tr>
<td>Fully Diluted</td>
<td>120,630,915</td>
</tr>
<tr>
<td>Market Capitalization (as of 09-24-2022)</td>
<td>C$16.04 Million</td>
</tr>
<tr>
<td>Insider Holdings</td>
<td>21.8%</td>
</tr>
<tr>
<td>Largest Single Shareholder (17.8%)</td>
<td>Mark A. Smith (Board Chairman)</td>
</tr>
</tbody>
</table>
IBC is one of only two companies in the world that produces aerospace-grade beryllium-aluminum direct investment castings for defense and commercial markets. IBC’s products can be made at 30-50% less cost than traditional BeAl machined billet processes.

Major global customers: Lockheed-Martin, Raytheon, BAE, General Dynamics-Electric Boat Division, Schlumberger, Thyssen-Krupp, Newport News Shipbuilding, and a major satellite manufacturing company.


Largest single shareholder is IBC’s CEO and Chairman, Mark A. Smith.

80 employees led by a highly experienced senior management team and Board of Directors focused on meeting aggressive new sales and profit targets across multiple market segments.
Consolidated Financial Results: Year Ended June 30, 2022

- Consolidated 2022 sales increased by 23.4% over 2021, with Engineered Materials ("EM") division sales improving 53.7% and Copper Alloy division sales rising by 3.7%

- 2022 sales growth marked the fourth year in a row of growth

- EM division achieves 4th straight year of higher revenue and Adjusted EBITDA\(^1\) and third straight year of profitability

- Gross profit and gross margin for the Copper Alloys division improved in 2022 for the 4th straight year, as did consolidated IBC gross profit and gross margin.

- Consolidated Adjusted EBITDA\(^1\) in 2022 rose by 82.4% above the prior year. IBC continued to narrow its consolidated loss in 2022 as compared to the previous three years

\(^1\) IBC reports non-IFRS measures such as "Adjusted EBITDA" and "Operating Income". Please see information on this and other non-IFRS measures in the "Non-IFRS Measures" section of this news release and in IBC’s MD&A for the quarter, posted on sedar.com.
IBC’s OPERATING DIVISIONS

Produces high-performance beryllium-aluminum components. (Beralcast®) used in commercial and military applications, including the F-35, F/A-18, advanced satellites & semiconductor manufacturing systems.

Engineered Materials Division
(49% of total revenue)

Copper Alloys Division
(51% of total revenue)

Manufactures a wide range of copper alloy castings and forgings for defense and commercial applications, including Copper-Beryllium alloys, Thermal-Mould™, Oxygen-Free Copper (C10100), Copper Nickel Silicon Chrome (C18000), Aluminum-Bronze, and many others.

1 As of the quarter ended June 30, 2022
**INDUSTRIES WE SERVE**

**Aerospace**
Cast components and sub-structural parts

**Defense**
Weapons, imaging systems, optical targeting

**Automotive**
Injection Mold Inserts, Die Casting Equipment

**Oil & Gas**
Directional Drilling Components, Rings, Bushings, Flanges, Sub-Sea Applications

**Resistance Welding**
Welding Wheels, Gun Arms, Resistance Welding Parts

**Electronics**
Semiconductor Manufacturing Equipment, Backing Plates

**Manufacturing**
Wear Plates and Bushings

**Industrial Equipment**
Amorphous Metal Casting Wheels

**Injection Molding**
High Conductivity Core and Cavity Inserts

**Foundry**
Casting Alloys, Die Blocks, Plunger Tips, Amorphous, Metal Casting Wheels
SELECT CUSTOMERS

- NASA
- Caterpillar
- Honeywell
- Schlumberger
- Honda
- Raytheon
- Siemens
- Lawrence Livermore National Laboratory
- Los Alamos National Laboratory
- General Dynamics
- Huntington Ingalls Industries
- BAE Systems
- UTC Aerospace Systems
- Kingsbury, Inc.
Strategic Growth Initiatives

- Consolidate Copper Alloy Division facilities and construct a new state-of-the-art copper alloy foundry facility.

- Increase efficiencies, reduce OPEX, and expand gross margins by leveraging expanded production capacity.

- Continue to pursue new applications and machined component-to-casting conversions for investment cast Be-Al alloy products in both defense and civilian markets.

Complete

Margins already expanding

In new product discussions with multiple customers
**Bringing Copper Alloys to the Next Level**

- Expanded production capacity
- Improved lead times to support higher sales.
- Substantial annual cost savings.
- Variable cost savings through better labor utilization and increased production efficiencies.
- Funding for additional feedstock, which can drive new sales.
$2.9 million in new defense sector business for Copper Alloys

Part of a large DoD program with significant upside potential

Fusion energy opportunities also on the near-term horizon for the Copper Alloys
Lockheed / IBC Milestone
1,000 Electro Optical Targeting Systems Delivered
MACRO GROWTH TRENDS FOR IBC PRODUCTS

- Defense applications seeking lighter-weight, high modulus materials for long-range optic & sensors
- More intensive use of copper in electrified transportation
- Accelerating build-out of 5G networks and Internet of things → higher computer chip demand
- Electronic applications
- Micro-satellite and other space applications
MISSION CRITICAL ALLOYS

BOARD OF DIRECTORS

Mark Smith, P.E.
CEO & Chairman

Mr. Smith has 40+ years of experience in operating, developing, and financing mining and strategic materials projects in the Americas and abroad. He currently is Executive Chairman and CEO of NioCorp Developments Ltd. Mr. Smith is well recognized in the mining community, having served as President, CEO, and Director of MolyCorp, Inc., where he was instrumentally involved in taking the company public.

Geoffrey Hampson

Mr. Hampson has founded and financed numerous successful private and public companies since 1978. He has extensive experience in special materials, technology, and mining. In 1982, Mr. Hampson started Novocon International Inc., which later became Synthetic Industries, a producer of specialty alloy, plastic, and carbon fibers. In 1995, he invested in and joined the Board of Directors of Cymat, Inc., a materials technology company.

Mike Jarvis

Mr. Jarvis has extensive financial and management expertise, including considerable operational experience with manufacturing companies. In 1983, he founded Franklin Power Products, a profitable automotive manufacturer with 2,700 employees and 16 locations in the US and Canada, serving domestic and international customers by remanufacturing gas and diesel engines, transmissions, electrical systems and other components for automotive, large truck, construction and locomotive applications.

Simon Anderson

Simon Anderson came to the IBC Board after serving since 2007 as Chief Financial Officer for IBC and its predecessor company. A CPA, CA with 30 years’ experience, he has worked as an officer or director of public companies on the TSX Venture Exchange, TSX Exchange, and NASDAQ for almost 20 years, including for Wex Pharmaceuticals, Minco Mining, and Minco Silver. He has extensive experience in financing, mergers and acquisitions, corporate governance, and securities regulation practices.
MISSION CRITICAL ALLOYS

TSX-V: IB | OTCQB: IAALF

SENIOR MANAGEMENT

Mark Smith, P.E.
Chief Executive Officer & Chairman

40+ years of experience in operating, developing, and financing mining and strategic materials projects in the Americas and abroad. Also serves as Exec. Chairman and CEO of NioCorp Developments Ltd. B.S., Engineering, Colorado State University, J.D., Western State University College of Law.

Toni Wendel
Chief Financial Officer & Corporate Secretary

25+ years of experience in finance and accounting; IBC’s former Controller; former CFO and Treasurer of PMG Corp.; multiple finance positions over 15 years with a Mitsubishi subsidiary; B.A. and M.B.A. from Indiana Wesleyan University.

Ben Rampulla
Chief Technology Officer

40+ year veteran of the investment casting industry; former Director of Engineering at Nu-Cast, Inc.; served 29 years at Precision Castparts Corp., including as Chief Engineer. Six Sigma Blackbelt and Kaizen trainer; B.S., Engineering, Rutgers; graduate of the Whittemore School of Business’ Executive Development Program.

Mark Wolma
President, Copper Alloys

Mr. Wolma has led the Company’s Copper Alloys division for 13 years. He has 30+ years of experience in manufacturing, sales, and service of electrical, mechanical and hydraulic apparatus. Former VP of Operations, Scherer Industrial Group, Inc.; former Director of the Copper and Brass Service Association. Studied at Indiana University-Purdue University.

Mark Doelling
President, Engineered Materials

30+ years in the investment casting industry supplying OEMs such as GE, Siemens, Pratt & Whitney, and Rolls Royce. Former consultant to Bescast, Precision Cast Parts (PCP), Saudi Electric Corporation, (SEC), Rotec, Honda Aero. Former President, Triax Turbine Components, and President/Founder of Dynamic Turbine LLC. B.A., Business Administration. Georgia Southern University.

Rajeev Jain
VP, Sales

35+ years in the copper industry, including in multiple senior positions at Hussey Cooper before joining IBC in 2004. Bachelor of Engineering, Metallurgy, Rourkela, India; MBA, Kelley School of Business at Indiana University.

Ken Shasteen
VP, Foundry Operations & Senior Metallurgist

Mr. Shasteen oversees operations at IBC’s new foundry in Franklin, IN. He has worked at IBC since 2000. Prior, he was with NGK Metals in Sweetwater, TN and Manufacturing Sciences Corporation in Oak Ridge, TN. Ken has his M.S.E. from the University of Tennessee.

Jim Sims
Director, External Relations

30+ years of experience in marketing, media relations, public affairs, and investor relations operations for companies in the mining, chemical, manufacturing, utility, and renewable energy sector. A former White House staffer, Jim served for 11 years in the U.S. Senate, including as a Chief of Staff, and held a top-secret security clearance. B.A., Georgetown University.
FOR MORE INFORMATION

IBCAvancedAlloys.com

CONTACT

Jim Sims, IBC Investor Relations
jim.sims@ibdadvancedalloys.com